WHAT IS CLAIMED IS:

1. A method for producing a wiring harness, comprising the steps of:

fabricating a terminal-connected wire by connecting a terminal with an end of an insulated wire;

supplying a plurality of terminal-connected wires having different specifications along the same production line;

holding the terminal of the supplied terminal-connected wire such that the terminal can be inserted into a cavity of a connector housing at least by a terminal chuck;

selecting a suitable one from a plurality of terminal inserters for inserting the terminal into a cavity of a connector housing in accordance with the kind of the supplied terminal-connected wire; and

inserting the terminal facing a cavity of a connector housing into the cavity by the selected terminal inserter in cooperation with the terminal chuck.

2. The method according to claim 1, wherein the terminal chuck includes a pair of claws for holding the terminal of the terminal-connected wire, and a driving source for drivingly opening and closing the pair of claws.

3. The method according to claim 1, wherein the plurality of inserters includes:

a terminal-push type inserter including a pushing member for directly pushing the terminal, the terminal-push type inserter being adapted for inserting the terminal into a cavity of a connector housing by the pushing member; and

a wire-holding type inserter including a pair of claws which are openable and closable to hold the insulated wire of the terminal-connected wire, the wire-holding type inserter being adapted for inserting the terminal into a cavity of a connector housing by holding the insulated wire of the terminal-connected wire by the pair of claws.

4. The method according to claim 1, wherein:

the terminal chuck includes a pair of claws for holding the terminal of the terminal-connected wire, and a driving source for drivingly opening and closing the pair of claws;

the plurality of inserters includes:

a terminal-push type inserter including a pushing member for directly pushing the terminal, the terminal-push type inserter being adapted for inserting the terminal into a cavity of a connector housing by the pushing member; and

a wire-holding type inserter including a pair of claws which are openable and closable to hold the insulated wire of the terminal-connected wire, the wire-holding type inserter

being adapted for inserting the terminal into a cavity of a connector housing by holding the insulated wire of the terminal-connected wire by the pair of claws.

5. An apparatus for connecting a terminal-connected wire, comprising:

a terminal chuck including a pair of claws for holding a terminal of a terminal-connected wire in which the terminal is connected with an end of an insulated wire beforehand, and a driving source for drivingly opening and closing the pair of claws;

a terminal-push type inserter including a pushing member for directly pushing the terminal, the terminal-push type inserter being adapted for inserting the terminal into a cavity of a connector housing by the pushing member;

a wire-holding type inserter including a pair of claws which are openable and closable to hold the insulated wire of the terminal-connected wire, the wire-holding type inserter being adapted for inserting the terminal into a cavity of a connector housing by holding the insulated wire of the terminal-connected wire by the pair of claws;

an inserter selector for selecting a suitable one from the inserters in conformity with the terminal-connected wire to be connected; and

a driver for driving the inserter selected by the

inserter selector to insert the terminal into a cavity of a connector housing.

6. The apparatus according to claim 5, wherein the driver includes a measuring type judging device for judging whether the insertion of the terminal is proper or improper based on a pushing stroke of the inserter when the terminal-push type inserter is selected, and a pulling type judging device for judging whether the insertion of the terminal is proper or improper by pulling the insulate wire after the insertion when the wire-holding type inserter is selected.

7. The apparatus according to claim 6, wherein the driver has a guiding surface for guiding the insulated wire to both claws of the wire-holding type inserter, and includes a guiding member for driving the pushing member of the selected terminal-push type inserter.

8. The apparatus according to claim 7, further comprising a pushing-position switcher for switching the position on a radial direction of the terminal that the pushing member pushes the terminal.

9. The apparatus according to claim 5, wherein the driver has a guiding surface for guiding the insulated wire to both claws of the wire-holding type inserter, and includes a guiding member for driving the pushing member of the selected terminal-push type inserter.

10. The apparatus according to claim 9, further comprising a pushing-position switcher for switching the position on a radial direction of the terminal that the pushing member pushes the terminal.

11. The apparatus according to claim 5, further comprising a pushing-position switcher for switching the position on a radial direction of the terminal that the pushing member pushes the terminal.